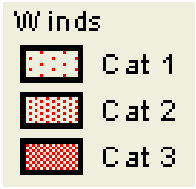
Hurricane Katrina Wind Distribution

Landfall Plus About 24 Hours

For Official Use Only!

Most Probable Landfall Wind Distribution

This hurricane scenario is based on a Category 3 storm making landfall in near proximity to Brownsville, TX.



Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 07/19/2005)*** forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Wind Fields

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Debris Model

Landfall Plus About **24** Hours

For Official Use Only!

Most Probable Landfall Debris Model Results

Florida – 10,276,000 yd^3
Alabama – 2,986,000 yd^3
Mississippi – 34,000 yd^3

Model results per county on following page

This hurricane scenario is based on a Category 3 storm making landfall in near proximity to Brownsville, TX.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 07/19/2005)*** forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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US Army Corps of Engineers

Hurricane Katrina Debris Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Debris Model

Landfall Plus About **24** Hours

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The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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US Army Corps of Engineers

Hurricane Katrina Debris Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
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LRL-DEBRIS

Hurricane Katrina Ice Model

Landfall Plus About **24** Hours

For Official Use Only!

Most Probable Landfall Ice Model Results

Florida – 2,209,000 pounds
Alabama – 1,087,000 pounds
Mississippi – 51,000 pounds

Model results per county on following page

This hurricane scenario is based on a Category 3 storm making landfall in near proximity to Brownsville, TX.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 07/19/2005)*** forecast. The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per day per person) and Ice SME input and represents a first day daily need.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Ice Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Ice Model

Landfall Plus About **24** Hours

For Official Use Only!

The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per person) and Ice SME input and represents a first day daily need. The assumption in this scenario is that 60% of the resident population affected by Katrina will have power outage in this area will cause a need for ice.

Details about this model may be obtained at

https://englink.usace.army.mil

or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Ice Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Water Model

Landfall Plus About **24** Hours

For Official Use Only!

Most Probable Landfall Water Model Results

Florida – 827,000 Liters
Alabama – 411,000 Liters
Mississippi – 20,000 Liters

Model results per county on following page

This hurricane scenario is based on a Category 3 storm making landfall in near proximity to Brownsville, TX.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 07/19/2005)*** forecast. The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person per day) and Water SME input and represents a first day daily need.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Water Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Water Model

Landfall Plus About 24 Hours

For Official Use Only!

The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person) and Water SME input and represents a first day daily need. The assumption in this scenario is that 60% of the resident population affected by Katrina will have power outage in this area will cause a need for water.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Water Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Population Model

Landfall Plus About **24** Hours

For Official Use Only!

Most Probable Landfall Population Model Results

Florida – 541,000 persons
Alabama – 365,000 persons
Mississippi – 22,000 persons

Model results per county on following page

This hurricane scenario is based on a Category 3 storm making landfall in near proximity to Brownsville, TX.

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Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Population Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Population Model

Landfall Plus About **24** Hours

For Official Use Only!

The number of persons estimated to be within hurricane force winds comes from Census 2000 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Population Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Households Model

Landfall Plus About **24** Hours

For Official Use Only!

Most Probable Landfall Households Model Results

Florida – 205,000 households
Alabama – 141,000 households
Mississippi – 8,000 households

Model results per county on following page

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US Army Corps of Engineers

Hurricane Katrina Households Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Households Model

Landfall Plus About **24** Hours

For Official Use Only!

The number of households estimated to be within hurricane force winds comes from Census 2000 values.

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US Army Corps of Engineers

Hurricane Katrina Households Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Temporary Roofing Model Results

Landfall Plus About **24** Hours

For Official Use Only!

Most Probable Landfall Temporary Roofing Model Results

Florida – 8,300
Alabama – 2,300
Mississippi - 123

Model results per county on following page

This hurricane scenario is based on a Category 3 storm making landfall in near proximity to Brownsville, TX.

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Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Roofing Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Temporary Roofing Model Results

Landfall Plus About **24** Hours

For Official Use Only!

THIS IS AN EXPERIMENTAL MODEL !! THE VALUES ARE PRELIMINARY AND SHOULD BE CONSIDERED A GUIDE BUT NOT AN ABSOLUTE VALUE !!

The amount of temporary roofing that may be required is based on 1% of housing units damaged in CAT 1 wind areas, 3% of housing units damaged in CAT 2 wind areas, and 6% of housing units damaged in CAT 3 wind area. This only indicates possible need – not necessarily a mission to repair roofs.

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US Army Corps of Engineers

Hurricane Katrina Roofing Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Temporary Housing Model Results

Landfall Plus About **24** Hours

For Official Use Only!

Most Probable Landfall Temporary Housing Model Results

Florida – 6,300
Alabama – 2,600
Mississippi - 300

Model results per county on following page

This hurricane scenario is based on a Category 3 storm making landfall in near proximity to Brownsville, TX.

Information provided on this page displays the most probable hurricane track based on information from the National Hurricane Center (NHC). These projections are based on information from the NHC ***(0500 EDT 07/19/2005)*** forecast. The amount of temporary housing that may be required is based on no housing need in CAT 1 wind areas, 2% of housing units lost in CAT 2 wind areas, and 4% of housing units lost in CAT 3 wind areas.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Housing Model

Generated By:
Terry Siemsen, LRL 0700 EDT 07/19/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Temporary Housing Model Results

Landfall Plus About **24** Hours

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The amount of temporary housing that may be required is based on no housing need in CAT 1 wind areas, 2% of housing units lost in CAT 2 wind areas, and 4% of housing units lost in CAT 3 wind areas.

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Hurricane Katrina Housing Model

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